

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Kiyoto Takizawa, et al.
Patent No. : US 7,331,372 B2
Issued : February 19, 2008
For : METHOD FOR MELTING METALLIC RAW MATERIAL
IN METAL MOLDING APPARATUS
Attorney's Docket : AK-N-508XX

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L E T T E R

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: Certificates of Correction

Sir:

Enclosed is a copy of Form PTO 1050. It is respectfully requested that a Certificate of Correction be issued to correct the mistakes of the Patent Office in the printing of the above-identified patent.

With regard to claim 6 of the above-identified patent, that claim corresponds to claim 7 of the corresponding application. In the Notice of Allowability mailed November 6, 2007, claim 7 of the application (reproduced below) was indicated as being allowed.

7. The method for melting a metallic raw material in a metal molding apparatus according to any one of claims 1, 3 to 6 and 10 to 12, wherein said metallic raw material is made of a low melting metal alloy selected from the group consisting of: a magnesium alloy, and an aluminum alloy.

In the above-identified patent, allowed claim 7 was renumbered as claim 6, which reads as follows.

6. The method for melting a metallic raw material in a metal molding apparatus according to any one of claims 1 and 2 to 5, wherein said metallic raw material is made of a low melting metal alloy selected from the group consisting of: a magnesium alloy, and an aluminum alloy.

The Applicants respectfully point out that, in renumbered claim 6 above, "claims 1 and 2 to 5" should have read --claims 1 to 5 and 9 to

11-- to conform with allowed claim 7 of the application. However, claim 6 above cannot properly depend from any claim having a number higher than 6.

For that reason, claims 6 through 12 were reordered and renumbered in the instant request for Certificate of Correction so that claim 6 above corresponds to claim 9, which should read as follows (see also page 2 of the enclosed Form PTO 1050).

9. The method for melting a metallic raw material in a metal molding apparatus according to any one of claims 1 to 8, wherein said metallic raw material is made of a low melting metal alloy selected from the group consisting of: a magnesium alloy, and an aluminum alloy.

The Examiner is respectfully requested to contact the undersigned Attorney, as necessary, to discuss any matter relating to this request for Certificate of Correction.

Respectfully submitted,

Kiyoto Takizawa, et al.

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Date: /June 16, 2009/

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CERTIFICATE OF CORRECTION

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PATENT NO : US 7,331,372 B2
APPLICATION NO. : 10/549,429
DATED : February 19, 2008
INVENTOR(S) : Kiyoto Takizawa, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, line 20, to Column 14, line 29, delete claims 6 through 12, and insert the following claims 6 through 12 reordered:

--6. The method for melting a metallic raw material in a metal molding apparatus according to claim 1, wherein said melting cylinder is made of a metallic material having a linear expansion coefficient smaller than a linear expansion coefficient of said metallic raw material.

7. The method for melting a metallic raw material in a metal molding apparatus according to claim 3, wherein a heating means is provided within said auxiliary heating member and the center portion of said cylindrical metallic raw material is directly heated from a bottom surface thereof by contact between said auxiliary heating member and the bottom surface of said cylindrical metallic raw material.

8. The method for melting a metallic raw material in a metal molding apparatus according to claim 4, wherein a heating means is provided within said auxiliary heating member and the center portion of said cylindrical metallic raw material is directly heated from a bottom surface thereof by contact between said auxiliary heating member and the bottom surface of said cylindrical metallic raw material.

MAILING ADDRESS OF SENDER:

PATENT NO. US 7,331,372 B2

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CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO : US 7,331,372 B2
APPLICATION NO. : 10/549,429
DATED : February 19, 2008
INVENTOR(S) : Kiyoto Takizawa, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

9. The method for melting a metallic raw material in a metal molding apparatus according to any one of claims 1 to 8, wherein said metallic raw material is made of a low melting metal alloy selected from the group consisting of:

a magnesium alloy, and
an aluminum alloy.

10. The method for melting a metallic raw material in a metal molding apparatus according to claim 9, wherein said metallic raw material is composed of a magnesium alloy exhibiting thixotropic properties at a temperature in a solid-liquid coexisting temperature range.

11. The method for melting a metallic raw material in a metal molding apparatus according to claim 9, wherein the melting of said metallic raw material is performed after cutting and removing cavities generated in a surface layer of the cylindrical metallic raw material and impurities adhered to a surface of the material.

12. The method for melting a metallic raw material in a metal molding apparatus according to claim 10, wherein the melting of said metallic raw material is performed after cutting and removing cavities generated in a surface layer of the cylindrical metallic raw material and impurities adhered to a surface of the material.--

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